

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 2    | ("20040187781").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/13 15:01 |
| S2    | 8295 | (118/715,50,733).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/12 22:19 |
| S3    | 552  | S2 and (vacuum chamber) and (gasket or o-ring or seal)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/03/13 15:07 |
| S4    | 22   | S2 and (vacuum chamber) and (gasket or o-ring or seal) and (circumferential edge) and groove   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/03/12 23:28 |
| S5    | 13   | (vacuum chamber) and ((gasket or o-ring or seal) same (circumferential edge) same groove)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/03/12 23:33 |
| S6    | 126  | (vacuum chamber) and (gasket or o-ring or seal) and (circumferential edge) and groove  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/03/12 23:49 |
| S7    | 92   | S6 not (S4 or S5)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/03/12 23:34 |
| S8    | 212  | (vacuum chamber) and (gasket or o-ring) and (sidewall or (side wall)) and (((top or upper) plate) or lid) and ((floor or bottom or lower) plate) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/03/13 16:04 |

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|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S9  | 205  | S8 not (S4 or S5 or S7)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/12 23:53 |
| S10 | 61   | (vacuum chamber) and (gasket or o-ring) and (side plate) and (((top or upper) plate) or lid) and ((floor or bottom or lower) plate) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 00:08 |
| S11 | 10   | ("2859812"   "2861712"   "3955702"   "4315390"   "4722153"   "5086598"   "5676757").PN. OR ("5853176").URPN.                        | US-PGPUB;<br>USPAT;<br>USOCR                                      | ADJ | ON  | 2006/03/13 11:12 |
| S12 | 0    | ("2005/0183824").URPN.  | USPAT   | ADJ | ON  | 2006/03/13 11:39 |
| S13 | 5226 | ((277/312,315,316,630,637,905,921) or (220/680,681,361,677) or (49/479.1,498.1,475.1)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/03/13 12:25 |
| S14 | 33   | S13 and (vacuum chamber)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 13:29 |
| S15 | 272  | S13 and (vacuum)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 13:30 |
| S16 | 0    | JP-2004292867-S.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 15:02 |
| S17 | 2    | "2004292867"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 20:37 |

## EAST Search History

|     |      |  |   |     |     |                  |
|-----|------|--|---|-----|-----|------------------|
| S18 | 8295 | (118/715,50,733).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/03/13 15:07 |
| S19 | 1673 | S18 and (chamber) and (gasket or o-ring or seal)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 15:08 |
| S20 | 524  | S19 and groove   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 15:08 |
| S21 | 552  | S18 and (vacuum chamber) and (gasket or o-ring or seal)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 15:10 |
| S22 | 299  | S20 and (@ad<="20040324" or @rlad<="20040324") not (S21 or S15)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 16:05 |
| S23 | 1115 | (vacuum) and (gasket or o-ring) and (sidewall or (side wall) or (side plate)) and (((top or upper) plate) or lid) and ((floor or bottom or lower) plate) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 16:04 |
| S24 | 212  | (vacuum chamber) and (gasket or o-ring) and (sidewall or (side wall)) and (((top or upper) plate) or lid) and ((floor or bottom or lower) plate)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 16:06 |
| S25 | 61   | (vacuum chamber) and (gasket or o-ring) and (side plate) and (((top or upper) plate) or lid) and ((floor or bottom or lower) plate)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/03/13 16:06 |

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|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| S26 | 690  | S23 and (@ad<="20040324" or @riad<="20040324") not (S21 or S15 or S22 or S24 or S25) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/03/13 16:09 |
| S27 | 1208 | (Nobuyuki near3 Takahashi).in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/03/13 20:58 |
| S28 | 33   | S27 and vacuum and (gasket or o-ring or seal)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/03/13 20:40 |
| S29 | 139  | (Nobuyuki near3 Takahashi).in. not S28   | US-PGPUB;<br>USPAT;<br>USOCR                                      | ADJ | ON | 2006/03/13 21:08 |
| S30 | 23   | ((vacuum chamber) and (gasket or o-ring) and plate and groove).clm.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/03/13 21:12 |